

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
4081-02800 (210105US)

SERIAL NO.
09/992,445

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Rodney L. Porter, et al.

FILING DATE
November 16, 2001

GROUP
1764

For: A Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream

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JUN 10 2003
TC 1700

U. S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
JA	AA	2,372,320	03/27/1945	Frey	260	671	03/03/1942
JA	AB	2,373,303	04/10/1945	Frey et al.	260	671	08/22/1936
JA	AC	2,415,272	02/04/1947	Benedict et al.	260	668	10/31/1942
JA	AD	2,456,435	12/14/1948	Matuszak	260	345	08/06/1945
JA	AE	2,814,653	11/26/1957	Hogan et al.	260	677	09/13/1954
JA	AF	2,848,522	08/19/1958	Gilmore	260	683	01/04/1954
JA	AG	3,123,650	03/03/1964	Hutson et al.	260	671	04/20/1961
JA	AH	3,131,230	04/28/1964	Hervet et al.	260	671	12/27/1960
JA	AI	3,200,164	08/10/1965	Gerald et al.	260	671	09/08/1964
JA	AJ	3,205,277	09/07/1965	Pollitzer et al.	260	671	12/21/1962
JA	AK	3,437,705	04/08/1969	Jones	260	671	03/02/1967
JA	AL	3,843,510	10/22/1974	Morrison et al.	208	111	03/23/1973
JA	AM	4,086,288	04/25/1978	Irvin et al.	260	671	08/16/1976
JA	AN	4,107,224	08/15/1978	Dwyer	260	671	02/11/1977

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation
JA	02/29317	04/11/2002	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

Examiner

Date Considered

10/19/2002

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(b) (1) OR (b) (2)
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U. S. PATENT DOCUMENTS

TRADEMARK		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
Examiner Initial							
BA	4,255,599	03/10/1981	Wu et al.	585	319	03/12/1980	
BB	5,003,119	03/26/1991	Sardina et al.	585	323	02/12/1990	
BC	5,026,935	06/25/1991	Leyshon et al.	585	315	10/02/1989	
BD	5,026,936	06/25/1991	Leyshon et al.	585	315	10/02/1989	
BE	5,043,506	08/27/1991	Crossland	585	449	09/17/1990	
BF	5,177,285	01/05/1993	Van Opdorp et al.	585	467	12/23/1991	
BG	5,430,211	07/04/1995	Pogue et al.	585	323	10/29/1993	
BH	5,600,049	02/04/1997	Sy	585	450	06/01/1995	
BI	5,750,818	05/12/1998	Mehlberg et al.	585	709	06/20/1996	
BJ	5,894,076	04/13/1999	Hearn et al.	585	251	05/12/1997	
BK	5,939,596	08/17/1999	Whitney	585	259	01/12/1998	
BL	5,962,758	10/05/1999	Sy et al.	585	450	04/09/1998	
BN	5,977,423	11/02/1999	Netzer	585	446	10/20/1998	
BM	5,990,370	11/23/1999	Sims	585	650	09/04/1998	

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308533

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U. S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
JA	CA	6,002,058	12/14/1999	Hearn et al.	585	448	11/02/1998
JA	CB	6,063,976	05/16/2000	Hendriksen et al.	585	467	08/18/1998
JA	CC	6,096,935	08/01/2000	Schulz et al.	585	323	07/28/1998
JA	CD	6,271,433	08/07/2001	Keady et al.	585	802	02/22/1999
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						
	CL						
	CN						
	CM						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

			Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/992,445
Filing Date	November 16, 2001
First Named Inventor	Rodney L. Porter
Art Unit	1764
Examiner Name	James Arnold, Jr.
Attorney Docket Number	4081-02800 (210105US)

Sheet 2 of 2

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JA		✓ Pertinent pages of an Environmental Report dated April 1999 and publicly distributed in Australia by Huntsman Chemical Company	
JA		Hydrocarbon Processing Magazine article, published May 1999, entitled "Integrate ethyl benzene production with an olefins plant"	
JA		✓ Oil and Gas Journal Magazine article, published September 26, 1977, entitled "Ethylbenzene Unit operates well on dilute ethylene"	
JA		✓ Hydrocarbon Processing Magazine article, published December 1983, entitled "Ethylene From Natural Gas Feedstocks, Part 3, Flow Scheme Comparisons"	
JA		✓ Hydrocarbon Processing Magazine article, published August 1979, entitled "Front End Deethanizer Saves Energy"	

Examiner Signature		Date Considered	7/11/2002
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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